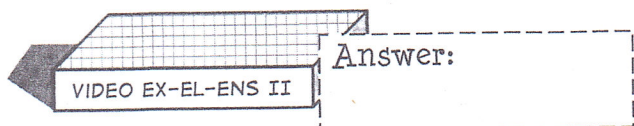


MONDAY WEEK 7

Name _____

MATH PRACTICE

1. When the electronics store at the mall opened on Monday morning, 39 of the hot new video game system models were on the shelf. By noon, they had sold all of those and taken money for orders of 429 more. Write a number to show the ratio of the total number sold to the number originally on the shelf.



5. The largest mall in the world is the West Edmonton Mall in Alberta, Canada. It even holds an amusement park. This park, Galaxyland, covers an area of 4×10^5 square feet. The mall's area is 5.3×10^6 square feet.

Use standard notation to write a number showing the difference in the two areas.

2. Write this expression in words: $\sqrt[3]{x} = 15$

3. Simplify: $6x^0 =$

4. Solve: $-c + 8 + 6c = c - 40$

TUESDAY WEEK 7

Name _____

MATH PRACTICE

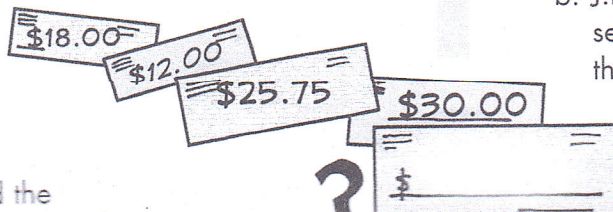
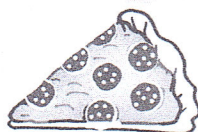
1. Simplify:

$$15x^2 - 10x + 13 + 12x - 8$$

2. What is the value of $\sqrt[3]{216}$?

3. Evaluate: $-12 - (-6) + 20 - 4^2 =$

4. Kendra started the day with \$186.00 in her checking account. She wrote five checks at the mall, but forgot to record one. Five days later, the other four checks had cleared and her bank balance was \$35.30. The other checks were: \$18.00, \$25.75, \$30.00, and \$12.00. Write and solve an equation to find the



5. J.R. and Lucinda stopped at the food court for pizza. There were eight pizzas ready to serve, each cut into eight slices: two cheese, three sausage, and three vegetarian. Four slices of one vegetarian pizza had been served, but the others were complete pizzas.

- a. Lucinda told the server to give her one slice of any pizza. What is the probability that she would get a slice of sausage pizza?
- b. J.R. gave the same instruction to the server. If Lucinda got sausage, what is the probability that he would also?

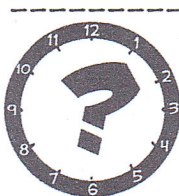
Name _____

1. Choose the expressions written as sentences.

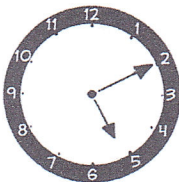
☐ $-10 \geq x$ ☐ $-6m + 9m$ ☐ $3x \approx 4y$
☐ $12 - 3 \cdot c$ ☐ $77 < y$ ☐ $(4p)(7p)$

2. Simplify: $4n^8 + (3n^2)(2n^6)$

TIME ARRIVED:



3. A group of friends met at the mall and stayed 4 hours and 15 minutes. They spent 1 hour and 20 minutes in the music store, 55 minutes in the food court, 75 minutes in the sports store, and $\frac{3}{4}$ hour wandering. They left at 5:10 p.m. What time did they arrive?



TIME DEPARTED:

5:10 PM

4. Evaluate:

$$5^4 - \sqrt[3]{-8}$$

5. The West Edmonton Mall has the world's largest parking lot. It holds 20,000 vehicles at one time and has an overflow lot that holds another 10,000. Assume that the average vehicle is 16 ft long and 5 ft wide. Assume also that a two-foot space is needed between vehicles for safe parking.

Could the total area of these parking lots be less than 3.5 million square feet?



Name _____

1. Factor: $4xy - 12y + 16y^2$

2. Does x have a real number solution?

$$x = \sqrt{-25}$$

3. Which of these expressions have a value that is ≥ 30 for $z = 7$ and $w = 3$?

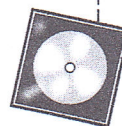
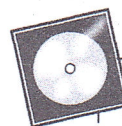
☐ $z(2 + w)$ ☐ $\frac{6z}{w}$
☐ $3(z + 4 - w)$ ☐ $w(w + z)$

4. Graph the inequality:

$$3 + x \geq -1$$



5. Which equation can be used to solve the problem below?

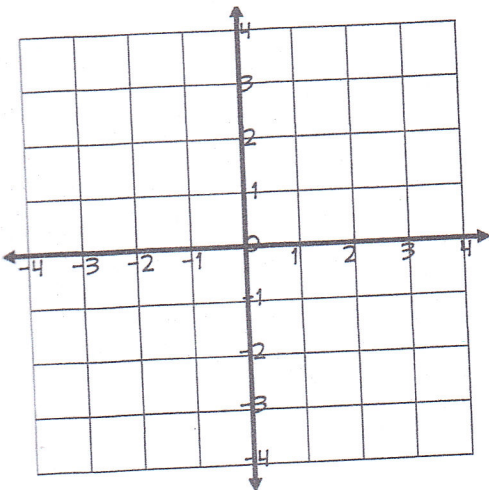


Lindsay bought six CDs at the mall. The original price was \$13 each, but she got a discount, and only paid a total of \$58.50 for all six. What was the discount?

- a. $(13)(6x) = 58.50$
b. $\frac{58.50}{6} - x = 13$
c. $6(13 - 13x) = 58.50$
d. $6x + 58.50 = 13$
e. $13 + \frac{x}{58.50} = 6$

Complete the table.
Then graph the equation.

$x - y = 0$		
x	y	(x, y)
-2		
-1		
1		
2		



2. Terryl shopped for some workout clothes. He narrowed his selections down to three shirts (red, white, black), four pairs of pants (gray, red, white, black), and two pairs of shoes (yellow, blue). He can buy only one of each. How many different combinations of shirts, pants, and shoes are possible?

3. Evaluate:

a. $|6| =$

c. $6|-6| =$

b. $|-6| =$

d. $\frac{|-6|}{6} =$

4. If negative two times a number is the sum of the number and eighty-four, what is the number?

5. Challenge Problem

Jayde goes to the mall with a sum of money and spends it all. She spends . . .

- one-third of the money on clothes
- six dollars on a fake tattoo
- one-half the amount on food that she spent on clothes
- twenty percent of the money on CDs
- three-twelfths of the money on books

How much money did she bring with her to the mall?

Show how you arrived at the solution.

